

Bio-Microbics "FAST[®]" *FACTS*

Petersen Supply: Petersen Supply is a "high response" distributor of the highest quality commercial and specialty equipment. We pride ourselves on our around the clock technical support and immediate delivery from an in depth local inventory. Call us toll free any time at 888-455-6864.

Training & System Management: Petersen provides installation and maintenance schools for contractors and designers and also manages wastewater systems for small communities, clusters of homes and businesses. Petersen provides operation and maintenance reporting as required for owner_ and controlling authorities.

Bio-Microbics "FAST[®]" Waste Treatment: "FAST[®]" is an acronym for *Fixed Activated Sludge Treatment*. At the heart of the system is a fixed film media insert. The fixed film's high surface to a volume ratio allows core levels of biological activity to always remain attached to the media - even during hydraulic surge conditions. This core level of bacteria also allows for quick redevelopment of healthy biological activity during periods of intermittent use or other stress conditions.

Reclaim Failed Fields: The clean effluent from the FAST[®] system eliminates the nutrients going into the field and the clogging-mat dies, allowing the field to begin absorbing again.

Small/Permeant Absorption Fields: The clean effluent from the FAST[®] system eliminates the biological requirement for the absorption field and thus often allows a 50% size reduction and smaller ground water separation. With no bio-mat, the absorption field can theoretically last forever.

Sizes for Most Needs: There are very economical units for small single homes, commercial applications and clusters of homes sharing duplex or quad FAST[®] units. Petersen can help design for almost any application.

Very Low Maintenance: There are no filters or moving parts to maintain in the wastewater system. Simply clean or replace the small air filter on the blower located above ground. Periodically, pump out septic tank solids, check the clarity and odor of the effluent and avoid certain substances as you would in a conventional system.

Easy to Install: Lightweight and durable, the FAST[®] module mounts simply into a modified septic tank. Complete installation instructions are provided. Petersen personnel provide whatever support is needed.

Proven Technology: The technology utilized in the FAST[®] system was originally developed decades ago for the marine industry as requested and approved by the U.S. Coast Guard. FAST[®] technology is also being used successfully today in large-scale industrial and municipal applications.

Meets All Standards: The FAST[®] system has Wisconsin state approval and it meets the requirements of NSF International Standard 40 Class I Standards, and all other known National and International Standards.

Nitrate/Pathogenic Removal: Special built-in technology allows the FAST[®] system to consistently reduce nitrate levels. Nitrate removal is quickly becoming a requirement in many locations and is emerging as the next major concern for health officials. Clearly, the FAST[®] system is designed to exceed even the next generation of performance requirements. The "FAST[®]" system is also more effective in destroying microorganisms, thus preventing them from reaching and contaminating the water table.

Loved by Landscapers: Tastefully located below ground level, the clean, odorless FAST[®] system blends beautifully into any landscaping design. Only the small, unobtrusive blower housing is above ground and can be located anywhere - up to 100 feet away!

Please call toll free *any time* to tell us how we can serve you.

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